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Michael-Leonard
SEED COMPANY

CHICAGO, ILLINOIS
SIOUX CITY, IOWA





HERE is a seed catalog that is unusual because it comes straight to the point.

DESCRIBPTIONS avoid superlatives except where they are really merited, and instead of merely telling you that it is "a splendid home variety," we give you the facts about the vegetable in colors, inches, and other vital specifications.

BUT even more important are the illustrations. For the first time, you can tell with accuracy how any one variety compares with the others in size and shape. Drawings are made to scale, and are placed side by side for your convenience.

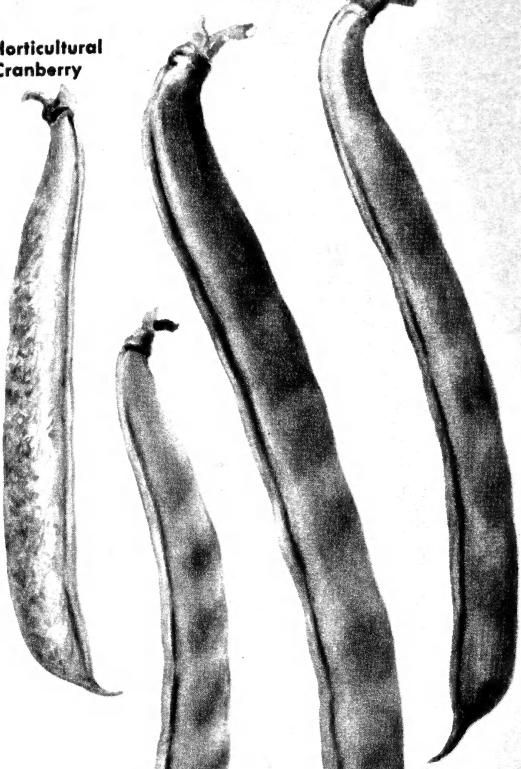
THE Michael-Leonard Seed Company is proud of its achievements in seed breeding and production. The Company is never content to accept things as they are, but is always striving for a better way. That spirit in the actual business of growing seeds is evident in publications such as this which maintain Michael-Leonard leadership in the industry.

IN ADDITION to the vegetables cataloged here the Michael - Leonard Seed Company stocks a full line of flower seeds. Information concerning flowers may be obtained from your dealer or direct from the company.



IOWEALTH hybrid field corn is famous throughout the United States for its wind, heat, and drouth resistance. This fine series of field corn hybrids is available for any corn growing section of the country. Your dealer or the company offices will be glad to give you full particulars.

Horticultural Cranberry



Florida Butter

Leonard's Improved Florida Butter

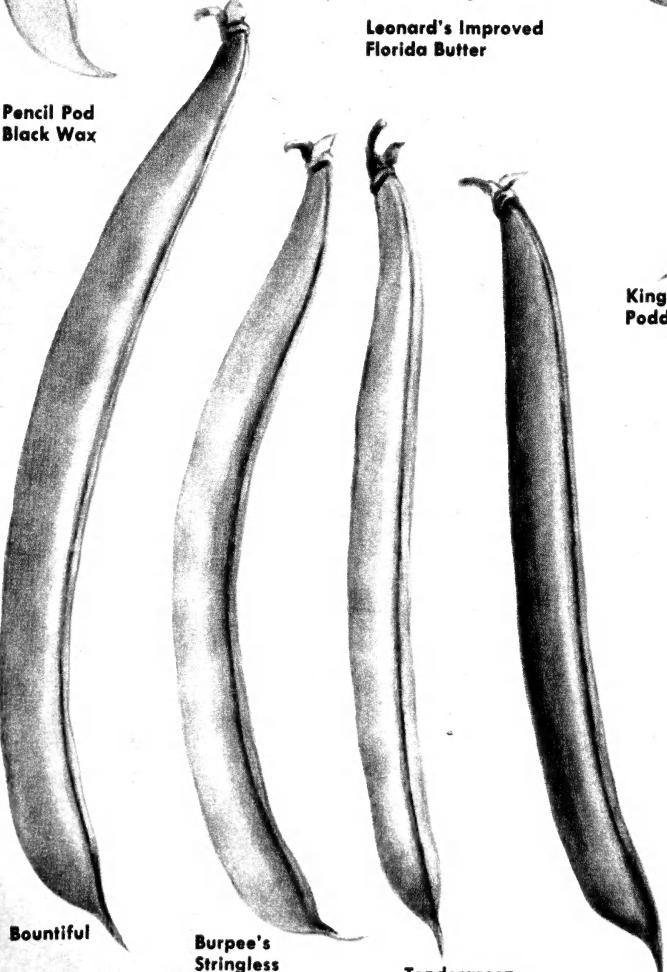
Improved Golden Wax

Pencil Pod Black Wax

Missouri Wonder

King Mammoth Podded Horticultural

Kentucky Wonder



Bountiful

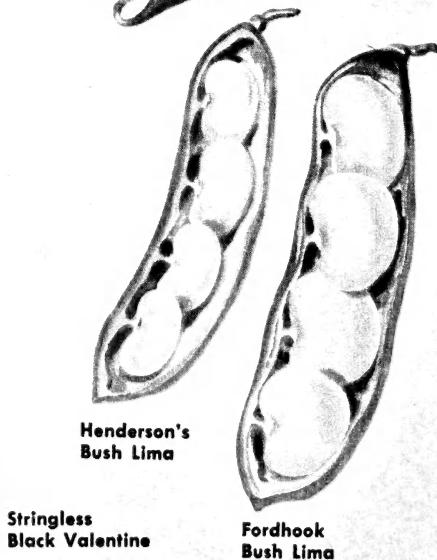
Burpee's Stringless

Tendergreen

Stringless Black Valentine

Fordhook Bush Lima

Henderson's Bush Lima



BUSH GREEN PODDED VARIETIES

BOUNTIFUL—Leading flat podded bean. Vine light green, strong. Pod perfectly stringless, light green, wide, thin, meaty. Flavor and yield good.

BURPEE'S STRINGLESS GREEN POD—Plants large, productive. Pods medium green, stringless, meaty. Good for canning cut beans. Flavor good.

DIXIE WHITE—Light green vine, heavy yield. Pods light green, round, straight, stringless in early stage. Used as dry shell bean. Flavor equal to Navy.

FULL MEASURE—Plants hardy, branching. Pods round, straight, deep green, stringless. Provides a good yield.

GIANT STRINGLESS GREEN POD—Heavy, stocky vine. Pods round, stringless, long. Widely used for canning and shipping. Quality very good.

DWARF HORTICULTURAL—Vine compact, upright, large leaved, productive. Pod yellow with splashes of red, wide, thick, stringless.

LANDRETH'S STRINGLESS GREEN POD—Improved strain of Burpee's Stringless Green Pod. Has longer, slimmer, smoother pods.

REFUGEE STRINGLESS—Vine light, spreading. Pods long, round, curved, stringless. High quality and well flavored.

TENDERGREEN—Vine light, upright. Pod light green, straight, round, crisp, meaty, stringless. Increasing popularity because of its fine flavor.

TENNESSEE GREEN POD (BROWN BUNCH)—Vine dark, sprawling. Pods medium light, curved, wide, flat when young, grows knobby with age. Best when picked early.

STRINGLESS BLACK VALENTINE—Extremely hardy, resists early frosts. Pods long, straight, oval, dark green, completely stringless.

STRINGLESS RED VALENTINE—Medium size vine, erect, productive. Pods curved, round, fleshy, creased in back. This bean is crisp and tender.

BUSH WAX PODDED VARIETIES

PENCIL POD BLACK WAX—Plant large, vigorous, upright. Pods golden, round, curved, meaty, stringless. Produces over long period. Quality excellent.

DAVIS WHITE WAX—Plant fairly large. Pods thick, flat, light yellow, straight, stringless, but fibrous. Quality fair. Very uniform.

IMPROVED GOLDEN WAX—Vine light, sturdy. Pods waxy yellow, straight, wide, thick, flat, stringless, but fibrous with age. Rust resistant. Flavor good.

TOP NOTCH GOLDEN WAX—Like Improved Golden Wax except pods are distinctly longer.

	LENGTH OF POD	HEIGHT OF VINE	DAYS TO MATURITY
7"	18"	50	
6"	18"	50	
4"	18"	50	
6"	18"	54	
6"	18"	53	
5"	16"	54	
7"	18"	52	
5"	14"	68	
6"	18"	53	
7"	12"	52	
6"	16"	50	
5"	18"	54	
6"	16"	53	
6"	16"	52	
4"	14"	50	
5"	15"	51	

ROUND PODDED KIDNEY WAX (BRITTLE WAX)—Plants strong, productive. Pods round, slightly curved, light yellow, waxy, stringless. Quality the best.

WARDWELL'S KIDNEY WAX—Hardy, productive plant. Long, broad, thick, flat, waxy yellow pods, growing stringy with age.

ROYAL PURPLE WAX—Vine dark, thick, heavy. Pods bright wax, round, curved, stringless and fiberless. Seed light purple with buff markings.

SIOUX STRINGLESS WAX—Vine strong, upright. Creamy yellow pods—meaty, crisp, stringless. Fine flavor.

SURE CROP (BOUNTIFUL WAX)—Vigorous, productive plant. Pods long, nearly round, remain in condition for snaps a long time, stringless at most stages.

UNRIVALLED WAX—Plant vigorous, healthy. Pods long, narrow, straight, trace of strings, fiberless. Color shows in pods at an early stage.

WEBBER WAX (CRACKER JACK WAX)—Vine dark, strong. Pod wax color, flat, slightly curved, meaty. Flavor good, stringless when young although the bean grows coarse with age.

BUSH LIMA VARIETIES

BURPEE'S BUSH LIMA—Productive. Pods contain three to four beans—flat, wide. High quality.

BURPEE'S IMPROVED BUSH LIMA—Larger and earlier than regular strain. Pods have four to five seeds, large, plump, flat.

FORDHOOK BUSH LIMA—Vines strong, erect, very dark green. Pods large, thick, contain three to five beans.

HENDERSON'S BUSH LIMA (DWARF SIEVA) (BABY LIMA)—Plants bushy and productive. Pods contain three to five small beans of high quality. Very early and hardy.

JACKSON WONDER (CALICO LIMA)—Vine dark, dense. Pods like Henderson's except seed light buff, purple speckled.

POLE LIMA VARIETIES

CAROLINA SMALL WHITE LIMA AND SIEVA—Early, productive. Short pods, thin, curved. Many short branches on vine so that it is sometimes grown without poles.

FLORIDA BUTTER (SPECKLED POLE LIMA)—Vine heavy, pod dark, thin, flat. Green shelled beans creamy white.

LEONARD'S IMPROVED FLORIDA BUTTER—Heavy yield. Pods large, seed double the size of Florida Butter. High quality.

KING OF THE GARDEN—Long producing period and heavy yield. Pods and seeds large.

LARGE WHITE LIMA—Productive. Pods contain three to four large, white, flat beans. Market gardener's favorite.

	LENGTH OF POD	HEIGHT OF VINE	DAYS TO MATURITY
	5½"	16"	52
	6"	16"	50
	4½"	16"	48
	6"	18"	52
	6"	16"	53
	5½"	14"	52
	6"	16"	50
	4"	19"	78
	4½"	16"	75
	3½"	15"	75
	3"	12"	66
	3"	12"	66
	3"	5'-8'	76
	3"	5'-8'	80
	4"	5'-8'	80
	4"	5'-8'	88
	4"	5'-8'	88

POLE (RUNNING) VARIETIES

STRIPED (SCOTIA) CREASEBACK—Cornfield bean. Pods dark green, round, straight, slightly stringy, fleshy, creasebacked.

WHITE CREASEBACK — Very early, productive. Bears pods in clusters on fairly small vines.

CUT SHORT (RED SPECKLED) (CORN HILL)—Cornfield bean. Pods straight, thick, crisp when young.

DUTCH CASE KNIFE—Cornfield bean. Pods long, flat, green in early stage, becoming creamy white.

HORTICULTURAL CRANBERRY—Used either in the green or dry state. Pods short, broad, pale green becoming red streaked towards maturity.

KING MAMMOTH PODDED HORTICULTURAL (WORCESTER POLE)—Vine heavy, dark, leafy. Pods long, wide, thick, large. Used mostly for green shelled bean.

IDEAL BLACK POLE—Earliest green podded pole bean. Prolific. Pods round, curved, stringless, tender, borne in clusters. Quality very good.

KENTUCKY WONDER (OLD HOMESTEAD)—Vine vigorous, productive. Pods borne in clusters, and are green, round, crisp when young, although at maturity they become irregular and spongy.

KENTUCKY WONDER WHITE SEEDED (BURGER'S STRINGLESS)—Pods round, slender, straight, dark green. Quality good.

KENTUCKY WONDER WAX—Plant dark, leafy. Pods wax color. When young, pods round, curved, meaty, stringless. With age they become somewhat fibrous, stringy, saddlebacked.

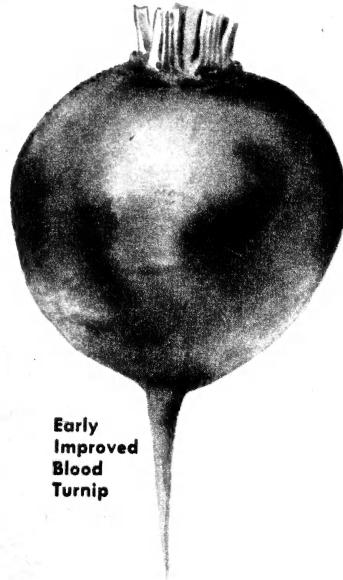
LAZY WIFE—Vine dark, heavy. Pods light, broad, flat, straight, stringless, crisp. Used for snaps, green, and dry shelled beans.

McCASLAN'S POLE—Strong growing pole type vine. Pods light, long, flat. Stringless when young.

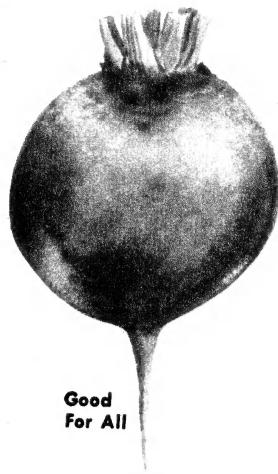
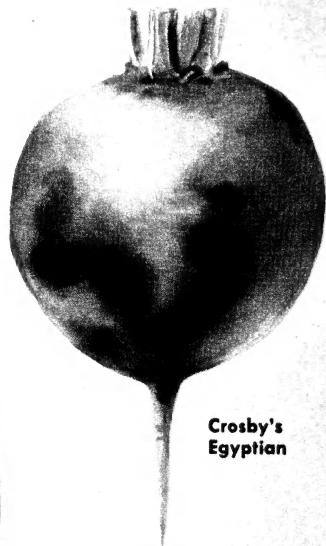
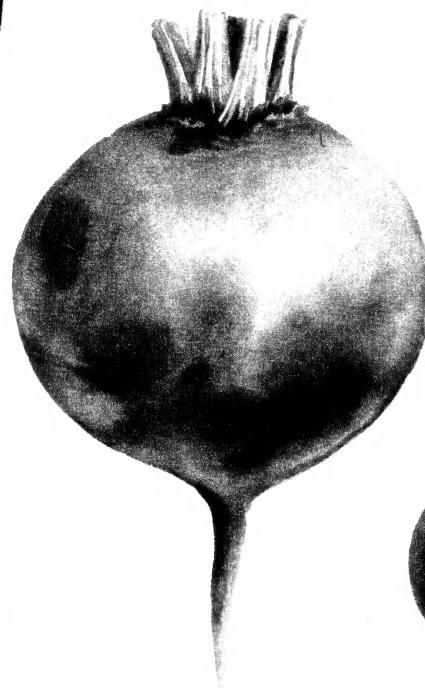
MISSOURI WONDER (NOXALL)—Pods light green, round, slightly curved, crisp when young, but tough and stringy at all other stages.

TENNESSEE WONDER—Similar to Kentucky Wonder but with larger, straighter, smoother, and more creasebacked pods. A shell bean.

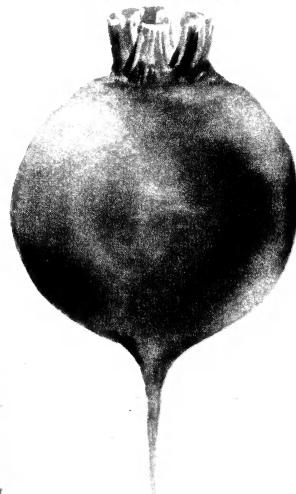
LENGTH OF POD	HEIGHT OF VINE	DAYS TO MATURITY
7"	5'	72
5"	5'	63
4"	6'	73
7"	5'	65
4½"	4½'	70
5"	4½'	70
5"	4'	58
9"	6'	65
7"	5'	64
8"	5'	68
6"	5'	72
6"	5½'	65
6"	6'	66
8"	4½'	71



M-L Dark
Red Egyptian



Detroit Dark Red



Ohio Canner



**ASPARAGUS—BEETS—SWISS CHARD
MANGEL WURZEL—BROCCOLI—BRUSSELS SPROUTS**

DIAMETER HEIGHT OF PLANT
 DAYS TO Maturity

ASPARAGUS

WASHINGTON — The latest development of rust resistant asparagus.
Large, tight tips, high quality.

BEETS

EARLY IMPROVED BLOOD TURNIP	Tops and root fairly coarse. Root larger than Detroit Dark Red, and later by nearly a week.	3"	60
DETROIT DARK RED	Tops medium, dark green tinged with red. Roots round, dark red, with indistinct lighter red zones. Quality and flavor fine.	2½"	55
MICHAEL-LEONARD DARK RED EGYPTIAN	Superior strain of Egyptian beet. Dark red, free from light zones, early, excellent quality.	3½"	50
CROSBY'S EGYPTIAN	Early, round. Tops medium. Vermillion color retained in cooking.	3"	50
EARLY FLAT EGYPTIAN	Large, upright red tops with green tint. Roots flat, dark red, thick, sometimes rough and irregular. Very early.	2½"	48
GOOD FOR ALL	Developed from Detroit Dark Red. Good for pickling when small. Roots deep red, smooth, almost round.	1½"	55
OHIO CANNER	Commercial canning beet. Small top. At canning size, round, tender, with a dark red color that remains after canning.	1½"	55
SILVER SWISS CHARD	Light green, blunt leaves, short stem, slightly lighter stem than leaf. Cut-and-come-again greens.	—	55
FORDHOOK GIANT (DARK GREEN WHITE RIB) SWISS CHARD	Broad, thick, heavy, white stem. Large, crumpled, savoyed, thick leaf, very glossy. Excellent quality.	—	55

MANGEL WURZEL

GIANT HALF SUGAR ROSE	Stock feeding. Combines mangel size with sugar beet feeding value. Upper portion pink fading to white below. Broad, thick wedge shape.	5" x 16"	90
GOLDEN TANKARD	Cylindrical, yellow. Used for stock feeding.	4" x 8"	100
IMPROVED MAMMOTH LONG RED	Largest mangel. Color light red. Grows half above the ground.	5"	108

BROCCOLI

GREEN ITALIAN SPROUTING — Forms a large cluster of bluish green flower heads. When the central head is removed numerous lateral sprouts develop, each heading. Stems and heads are both cooked like cauliflower.

BRUSSELS SPROUTS

DWARF IMPROVED — Best strain. Sprouts compact, grayish, green, hardy, early.

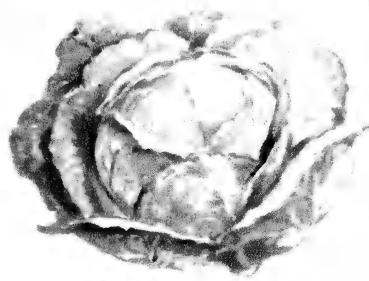
1½" 18" 75



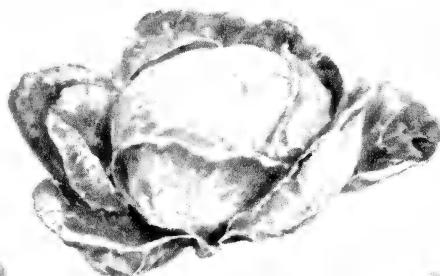
Early
Jersey Wakefield



Charleston
Large Wakefield



Penn. State
Ball Head



Premium
Late Flat Dutch



Glory
of Enkuizen



Copenhagen
Market



Improved
American Savoy



Chihili
(Chinese)



Golden Acre



Danish Ball Head



Wong Bok
(Chinese)



Mammoth Red Rock

CABBAGE

CABBAGE

	AVERAGE DIAMETER	WEIGHT	DAYS TO Maturity
CHARLESTON LARGE WAKEFIELD—About a week later than Early Jersey Wakefield and fifty per cent larger.	6½"	4#	72
CHINESE CHIHILI — Earliest, surest heading Chinese variety. Long, solid, white cylindrical head. Fine quality.	4"	—	75
CHINESE-WONG BOK — Short, thick head, with in-curving leaves.	7"	—	80
COPENHAGEN MARKET — Heads average four pounds, solid, hard, small core. Compact growth allows thick planting. Short stem. Excellent quality.	6½"	4#	65
DANISH BALL HEAD — Late cabbage, good for storage and shipping. Plant large, sturdy, short stem. Head deep, round, hard, compact. Flavor good.	7½"	6½#	110
EARLY JERSEY WAKEFIELD — Extra early. Plants compact, hardy. Withstand cold weather. Heads cone shaped, solid.	5"	2¼#	64
GLORY OF ENKHUIZEN — Large head, few outer leaves. Mid-season variety, often used for kraut and market gardens.	8"	6#	80
GOLDEN ACRE — Selected from Copenhagen Market. Very early, and slightly smaller than Copenhagen. Solid, fine grained, well flavored.	6"	3#	65
PENN STATE BALL HEAD — Late, prolific, uniform. Heads flattened globe, hard, heavy.	7"	5½#	110
PREMIUM LATE FLAT DUTCH — Wide adaptation. Good for storage. Head solid, flat, resists bursting.	12"	12#	102
IMPROVED AMERICAN SAVOY — Short stem, large head, solid, compact. Excellent flavor.	8"	6#	87
MAMMOTH RED ROCK — Largest red cabbage. Deep red colored heads. Hard. Good quality.	7"	7#	105

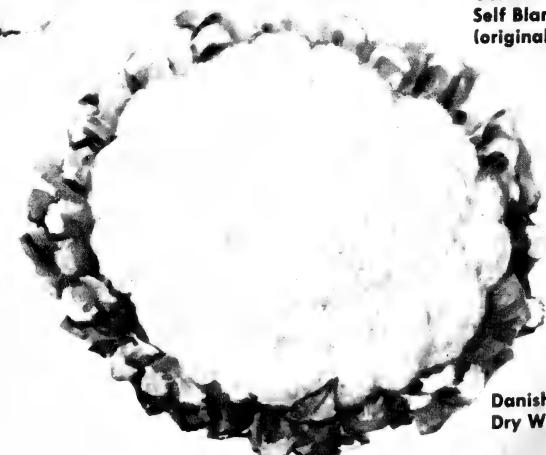
YELLOWS RESISTANT VARIETIES

ALL HEAD EARLY	82
ALL SEASONS	92
GLORY OF ENKHUIZEN (GLOBE)	80
JERSEY QUEEN (RESISTANT WAKEFIELD)	65
MARION MARKET (RESISTANT COPENHAGEN MARKET)	75
RED HOLLAND	100
WISCONSIN NO. 8	110



Golden Self Blanching (new)

Golden Self Blanching (original)



CARROTS—CAULIFLOWER CELERY—CELERIAC

CARROT

CALIFORNIA PEERLESS—Small top, good for bunching. Carrot bright red, smooth, medium size, holds in bunching condition a long time. Fine quality.

CHANTELAY — Tops medium; necks small; roots slightly tapering but strictly stump rooted and smooth. Color orange-red, flesh crisp and tender. Very productive.

RED CORED CHANTENAY—Like Chantenay except orange-red color extends clear to center. Outstanding favorite.

DANVERS—Heavy yield on all soil types. Tops medium size, coarse. Roots smooth, orange, tapering to blunt point. Flesh sweet, crisp, tender.

IMPERATOR — Tops medium but suitable for bunching. Roots smooth, deep orange, semi-blunt. Flesh fine grained, tender, indistinct core.

IMPROVED LONG ORANGE—Heavy yield, used for stock feeding as well as gardening. Color, red-orange; long, tapered to a point; lighter colored core.

NANTES HALF LONG (CORELESS)—Tops medium; roots cylindrical, smooth, bright orange becoming yellow in center, but no distinct core.

OX HEART (GUERANDE)— Tops small. Roots very short and very wide. Flesh bright orange, fine grained and sweet when young. Good for soils which long roots can't penetrate.

CAULIFLOWER

EARLY SNOWBALL — Plants dwarf with short, pale leaves. Heads medium size, firm, compact, pure white. Fine quality and dependability.

SUPER-SNOWBALL — Heads early and uniform. Medium large, compact, very white.

DANISH DRY WEATHER — Larger and later than Early Snowball. Pure white heads. Wide adaptation, particularly drouth resistant.

CELERI

FORDHOOK (EMPEROR) — Outer leaves dark green, fading to a yellowish green inside. Stalk large, thick, heavy, tender, crisp, very little fiber; blanches to pale gold heart.

GIANT PASCAL — Green leaves. Keeps well. Blanches to yellowish-white. Solid, crisp, fine flavor.

GOLDEN SELF-BLANCHING (ORIGINAL STRAIN)—Greenish tinted outer leaf, yellow inner leaf. Fairly compact growth, medium large, solid, very crisp, fiberless; blanches to deep yellow. Very fine flavor.

GOLDEN SELF-BLANCHING (NEW STRAIN)—Like original except taller and slimmer. Looks better when packed for sale.

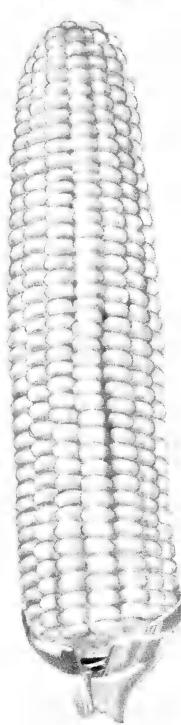
WHITE PLUME SELF-BLANCHING — Earliest, easiest blanched. Central stalks and leaves pure white at maturity.

CELESTIAC

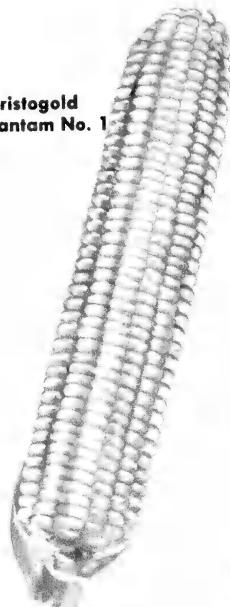
LARGE SMOOTH PRAGUE — One foot tall. Roots tapered, two by five inches. Has side roots. Flesh, white. Used as celery flavoring for soup.

THICKNESS AT TOP	LENGTH	DAYS TO Maturity
1 3/4"	8"	70
2 1/4"	5 1/2"	70
2 1/4"	5 1/2"	70
1 3/4"	6 1/2"	73
2"	7"-8"	77
2 3/4"	11"	88
1 1/4"	6 1/2"	70
5"	5"	72
	DIAMETER	
	6 1/2"	55
	7"	56
	7 1/2"	66
	18"	125
	24"	135
	16"	120
	18"	120
	18"	110
—	—	—

Silver Cross
Bantam No. 1



Aristogold
Bantam No. 1



Golden
Bantam



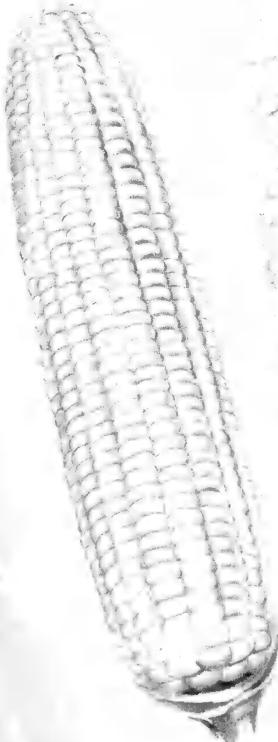
Golden Cross
Bantam



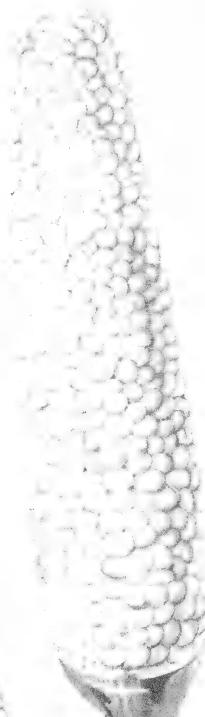
Hybrid Golden
Hummer



Silver Cross
Evergreen



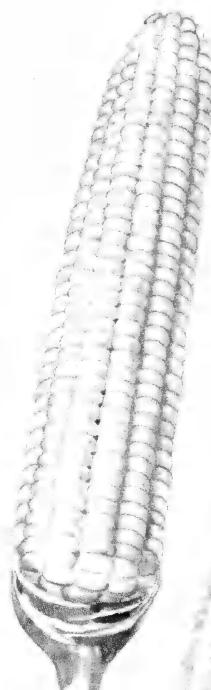
Silver Cross
Country Gentlemen



Soobred



Aristogold
Bantam Evergreen



Tendergold



CORN — HYBRIDS

		NUMBER OF ROWS	LENGTH OF EAR	HEIGHT OF PLANT	DAYS TO Maturity
GOLDEN CROSS BANTAM — Bright yellow kernels. Two or three times as productive as Golden Bantam, and equal in quality. Resistant to wilt. Matures about six days later than Golden Bantam.	12	8"	6'	82	
SOOBRED — All America Seed Trial winner. Yellow kernels, extremely tender, flavorful, productive. No corn in this maturity has the combination of such high yield and excellent quality as Soobred.	16	10"	7'	82	
HYBRID GOLDEN HUMMER — Like the open pollinated but more productive, more uniform, and higher in sugar content.	12	8"	7'	68	
TENDERGOLD — A Michael-Leonard introduction. Four days earlier than Golden Bantam, usually double the yield. Absolute peak in tenderness and succulence. Holds two or three days longer than other corns. Wilt resistant.	12	8"	7½'	75	
ARISTOGOLD BANTAM No. 1 — A Michael-Leonard exclusive, winner in the All America Seed Trials. Wind, heat, and drouth resistant. Dark green plant. Ears uniform, symmetrical, ear worm and smut resistant. Deep kernels, high quality, exceptional yield. Can be planted earlier in the spring than other sweet corn. This is an ideal bantam corn.	12-14	9"	8'-9"	83	
SILVER CROSS BANTAM No. 1 — White twin of Golden Cross Bantam. This is the first time that outstanding quality is present in white corn. Equals the fanciest yellow corn in flavor and succulence. Kernels are extremely tender. Silver Cross Bantam is replacing all open pollinated white sweet corns.	12-14	8½"	7'-8"	82	
ARISTOGOLD BANTAM EVERGREEN — Has yielded ten tons of snapped ears per acre. Has Aristogold Bantam No. 1 wind, heat, and drouth resistance, plus larger ear size and heavier yield. Largest high quality yellow corn available.	16-18	10"	6'-9"	87	
SILVER CROSS EVERGREEN — More uniform, higher yield, higher sugar content, and superior tenderness to the open pollinated strain. Plant similar to Evergreen, although somewhat earlier.	16-18	8½"	8'	90	
SILVER CROSS COUNTRY GENTLEMAN — The finest of the Country Gentleman hybrids for resistance to hot, dry weather and ear worm damage. The ears are deep kernelled, uniform, and of good length. Its uniformity and productivity make it a favorite where a shoe-peg type is preferred.	—	7½"	7'	90	

All hybrids on this page, except Golden Cross Bantam, are products of Michael-Leonard breeding. Michael-Leonard leads the world in hybrid sweet corn research.

We believe that gardeners will find the hybrid sweet corns superior to open pollinated varieties in every type and maturity, and for convenience on this page we have listed the hybrids best suited to take the place of the various varieties.

CORN—OPEN POLLINATED VARIETIES

		NUMBER OF ROWS	LENGTH OF EAR	HEIGHT OF STALK	DAYS TO MATURITY
BANTAM EVERGREEN	A cross between Golden Bantam and Stowell's 12-14	8"	6'-7"	85	
	Evergreen. Kernels broad, deep yellow color. Generally used as a				
	canners' variety. <i>Plant Aristogold Bantam Evergreen—you'll like it</i>				
	<i>better. (See preceding page.)</i>				
BARDEN'S WONDER BANTAM	Plant has leafy growth below ear, quite sparse above. Somewhat longer ear than Golden Bantam, but not so well flavored. Equally sweet. <i>Plant Tendergold—you'll like it</i>	9"	5 1/2'	74	
	<i>better. (See preceding page.)</i>				
COUNTRY GENTLEMAN	Shoe-peg type, slim, round kernels. Kernels are zig-zag on the ear, and very deep, pure white. Heavy yields. Used mostly for canning shoe-peg type corn. <i>Plant Silver Cross Country Gentleman—you'll like it better. (See preceding page.)</i>	—	8"	7'	90
EARLY EVERGREEN	Ten days earlier than Stowell's Evergreen, and is equal in all respects. An old market gardeners' favorite.	14-18	8"	8'	83
STOWELL'S EVERGREEN	Standard main crop variety. High yield. Has been popular for years for late white sweet corn. <i>Plant Silver Cross Evergreen—you'll like it better. (See preceding page.)</i>	14-18	8"	7 1/2'	94
GOLDEN BANTAM	The most popular and finest flavored open pollinated yellow sweet corn. Kernels broad, sweet, flavorful, tender. <i>Plant Soobred—you'll like it better. (See preceding page.)</i>	8	6 1/2"	4 1/2'	78
GOLDEN HUMMER	Largest and earliest bantam yellow sweet corn. Kernels golden yellow, broad, and of excellent flavor. Its hybrid counterpart is a week later, but heavier yielding.	12	7"	6 1/2'	60
TRUCKER'S FAVORITE	A true favorite with shippers in the south. Usually two ears to the stalk. Kernels are white and deep.	14-16	9"	7 1/2'	78
GOLDEN SUNSHINE	An early variety of the Golden Bantam type. Kernels large, broad, golden yellow, and of good flavor. <i>Plant Hybrid Golden Hummer—you'll like it better. (See preceding page.)</i>	10-12	7"	5'	70
WHIPPLE'S EARLY YELLOW	Much larger than Golden Bantam, and only three days later. Kernels broad, deep, and of excellent quality. <i>Plant Aristogold Bantam No. 1—you'll like it better. (See preceding page.)</i>	10-14	7 1/2"	6'	81

CUCUMBERS

CUCUMBERS

PICKLING VARIETIES

CHICAGO PICKLE — Most popular variety in the Chicago area. Used extensively for the large pickling establishments. Fruit medium size, square ended, large and prominent spines. Color deep green. Excellent early cucumber.

EARLY CLUSTER — Vines vigorous, producing the bulk of the crop near the root and in clusters.

EARLY FRAME (SHORT GREEN) — Fruit straight, smaller at each end, bright green. Flesh tender and crisp. Makes fine pickles.

BOSTON PICKLING (GREEN PROLIFIC) — Vine heavy, short. Fruit short, thick, very slightly tapered, blunt ends, uniform. Good pickler.

SLICING VARIETIES

A & C — Uniform, nearly cylindrical, very dark green, well rounded at ends. Good market gardeners' variety.

IMPROVED LONG GREEN — Heavy, long runners. Fruits tapered, inclined to warts, uniform, color medium dark with light stripe toward blossom end. One of the best all-purpose types. Dependable cropper.

DAVIS PERFECT — Fruit long and large, tapered at both ends, smooth and uniform. Firm flesh with small seed cavity. Dark green. Holds color and shape well in shipping.

EARLY FORTUNE — Fruit long and tapering. Flesh thick, white, firm, and unusually crisp. Very few seeds. Rich dark green color which does not fade when shipped.

LEONARD'S SPECIAL DARK GREEN — The finest long, large variety. Very dark green. Note the length.

STRAIGHT EIGHT — Fruit symmetrical, cylindrical, well rounded at ends. Color dark green. Ideal for shipping and home use.

LONGFELLOW (VAUGHAN) — Fruit a handsome dark green, holds color remarkably long after picking, straight, well filled at ends. Very few seeds.

EARLY IMPROVED WHITE SPINE — Home garden variety. Vines vigorous, fruiting early. Prolific. Fruit straight, dark green, some white spines; flesh tender and well flavored.

WHITE WONDER (ALBINO) — Heavy, long runners. Fruit straight, blunt. Color creamy white. Useful as a novelty for slicing and for salads. Flavor fairly good.

THICKNESS	LENGTH	DAYS TO Maturity
2 1/2"	6 1/2"	57
2 7/8"	5 1/2"	55
2 1/2"	6 1/2"	56
2 1/2"	6"	58
2 1/4"	8 1/2"	68
2 1/2"	12"	68
2 1/4"	9 1/2"	65
2 1/2"	9"	63
2 1/2"	14-15"	72
1 1/2"	8"	66
2 1/2"	13"	72
2 1/2"	8 1/2"	62
3"	7"	62

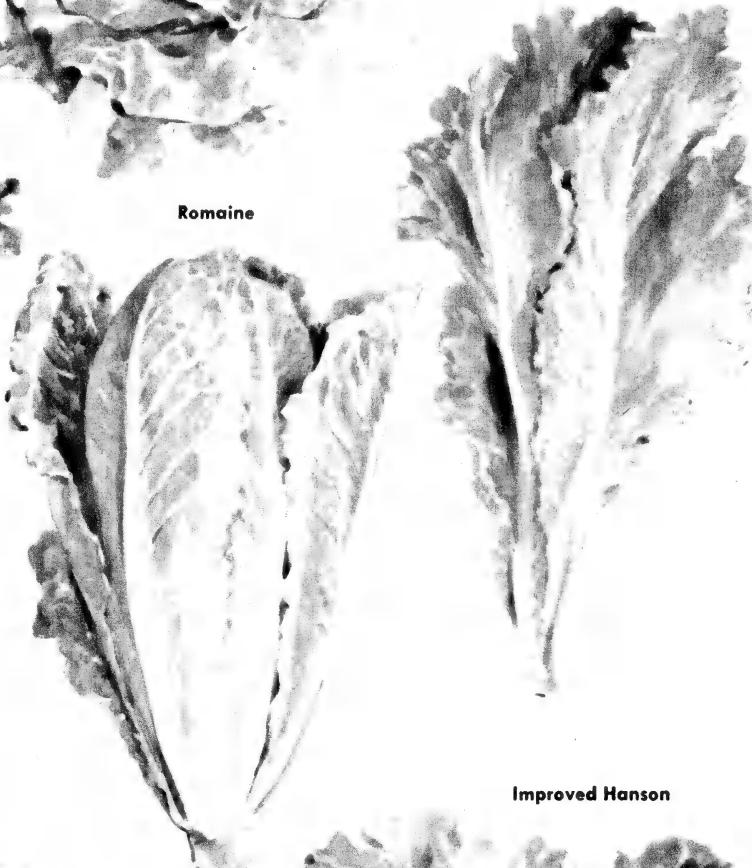
Big Boston



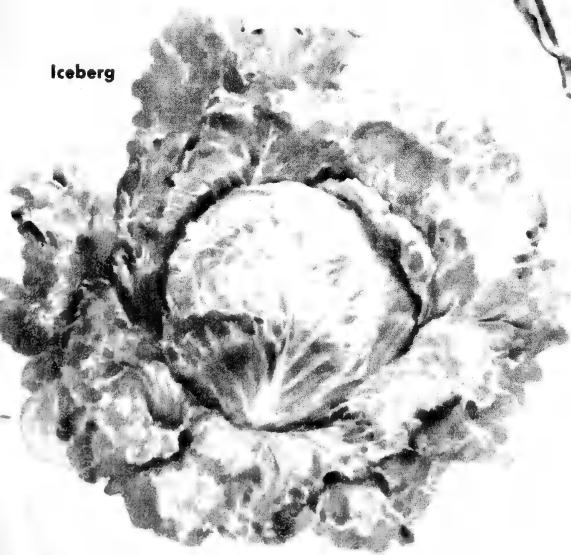
Black Seeded Simpson



Romaine



Iceberg



Improved Hanson



LETTUCE

	DAYS TO Maturity
BIG BOSTON — Head of medium size, compact, with creamy yellow heart. Leaves smooth, glossy, wavy at edge and slightly tinged with brown. Quality excellent. A popular variety for outdoor culture.	76
BLACK SEEDED SIMPSON — Forms large, loose, yellowish-green leaves, crumpled and frilled, exceedingly tender and crisp. Very popular home garden variety as it is very early.	46
EARLY CURLED SIMPSON — Forms a close, compact mass of curly, yellowish-green leaves; early, hardy, plant. Leaves are tender, sweet and of excellent quality. An old favorite with home gardeners.	45
GRAND RAPIDS — An excellent forcing variety as well as one of the best for outdoor planting. Plant erect; leaves medium light green, very curled and fringed. Stands heat and dry weather well.	43
ICEBERG — Large curly leaves of bright, light green with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center which is constantly and thoroughly blanched.	80
IMPROVED HANSON (NONPAREIL) — Plant very large with thick yellowish-green leaves; heads large, firm and cabbage-like with sweet, tender heart. Good for midsummer planting and popular with home gardeners.	78
NEW YORK (WONDERFUL) — One of the very best of the curled or crisp heading varieties. The head, at first pointed or conical, becomes globular at maturity and is of medium large size, dark green in color and slightly curled on edges. Heads are very hard and well blanched. Quality is excellent, being sweet, yet never buttery in flavor.	78
PRIZEHEAD — The name is misleading as it is a non-heading variety. Very early, quick growing, making a lot of good eating leaves of excellent flavor. Leaves are light green with very ragged brown edges. A most popular variety with home gardeners.	47
ROMAINE (PARIS WHITE COS) — The best known and most popular Cos variety in America. It is medium large, medium green, and forms a good, well folded head of fine quality, which blanches readily.	77

**EGG PLANT—ENDIVE—KALE
KOHL-RABI—LEEK**

EGG PLANT

BLACK BEAUTY—Rich, dark purple fruit. Large, symmetrical. Slightly earlier than New York Purple, but not quite so large. Holds color well.

NEW YORK IMPROVED PURPLE SPINELESS—Heavy producer. Fruit oval, purple, tapered towards top. Good color although not as dark as Black Beauty.

ENDIVE

• **BROAD LEAF BATAVIAN—ESCAROLE**—Excellent salad variety. Leaves upright, broad, twisted and waved. Bright green, with white midrib. Inner leaves form a head.

GREEN CURLED—Plant tufty and full in center; mid-rib an inch broad, white, thick, tender, and fleshy. Blanches readily. Good fall variety.

MOSS CURLED—More finely curled, with a heavier and more dense plant than Green Curled.

FULL HEART BATAVIAN—Improved strain of Broad Leaf Batavian. Larger leaf, and broader, thicker head. Slightly earlier. Excellent shipping variety.

KALE

DWARF CURLED SCOTCH—Plant low and compact, with large, bright green leaves—curled, cut, and crimped until the whole plant resembles a bunch of moss. Used as greens, and when properly handled make an excellent dish.

SIBERIAN (SPROUTS)—The large, green leaves are comparatively plain in the center, but coarsely cut and frilled on the edge. Plant low, spreading, hardy.

TALL CURLED SCOTCH—Abundance of dark green leaves, densely curled and cut. Stands winter in the middle states without any protection.

KOHL-RABI

EARLY PURPLE VIENNA FORCING—Bluish purple, similar to White Vienna except in color.

EARLY WHITE VIENNA FORCING—An extra early variety. Has very few short leaves. Bulbs are sweet and tender.

LEEK

LARGE AMERICAN FLAG—Makes large, green leaves and medium large bulbs on a pure white stem. Very hardy and productive.

LARGE MUSSELBURG—A large variety which becomes very white and tender. A hardy and desirable sort.

WIDTH	HEIGHT OF PLANT	DAYS TO MATURITY
27"	90	
28"	93	
15"	4"	90
16"	flat	95
16"	flat	95
17"	4"	88
14"		55
15"		65
30"		60
2"	2 1/2"	60
2"	2 1/2"	60
2"	7"	90
3"	8"	90

MUSKMELON

MUSKMELON

BENDER'S SURPRISE — Largest of the oval pink fleshed melons, early for its size. High quality. Coarse netting, distinct ribs, hard rind. Good shipper.

BURRELL'S GEM — Fruit oval, slightly ribbed, thick, fine netting. Color green shading to deep yellow as it ripens. Flesh thick, firm, orange-pink, flavorful, small seed cavity. Excellent shipping melon.

EXTRA EARLY HACKENSACK — Nearly round. Deeply ribbed, with very coarse netting. Skin green tinged with yellow at maturity. Flesh green, somewhat coarse, but juicy and sweet.

HALE'S BEST No. 36 — Nearly round, lightly ribbed, finely netted, green, shading to yellow upon ripening. Flesh salmon pink, thick, firm, stringless, and well flavored. Not too sweet. Small cavity. Fine early strain for long distance shipping.

HONEY DEW — Fruits round and slightly oval. Weigh 6 to 8 pounds. Skin smooth and creamy yellow at maturity. Flesh emerald green, fine grained, very sweet. Rind thin but firm. Ships well.

HONEY ROCK (SUGAR ROCK) — Fruit nearly round, no ribs, coarsely netted, becomes light yellow when ripe. Flesh thick, tender, salmon pink, and well flavored. Very small seed cavity. A new popular type.

HEARTS OF GOLD (HOODOO) — Nearly round, slightly ribbed, finely netted, light green to light yellow upon ripening. Flesh very thick, firm, and delicious. Small cavity with a tight web. Color yellow shading to pink. Good shipper.

MILWAUKEE MARKET — Medium large, early, pink fleshed, prominent ribs, heavy netting, oval shape, hard rind. Shipping and eating qualities very good.

OSAGE (MILLER'S CREAM) — Oval, dark green, somewhat netted and ribbed. Flesh extremely thick, firm, rich salmon color, highly flavored and delicious to the rind. Cavity small. Keeps and ships well.

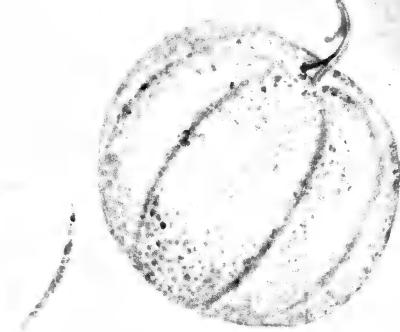
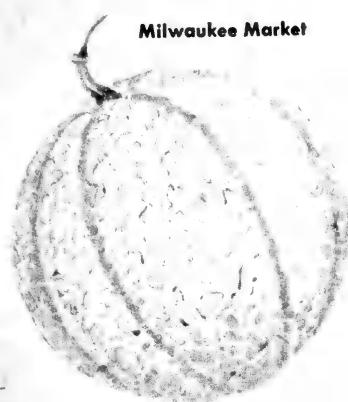
PAUL ROSE (PETOSKEY) — Oval, slightly ribbed and densely netted. Vines vigorous and productive. Yellow flesh.

IMPROVED ROCKY FORD — Round, little or no rib, heavily netted, light green shading to dark yellow. Thick flesh, salmon tinted, solid, fine grained, excellent flavor. Very small seed cavity.

TIP TOP — Productive, nearly round, slightly ribbed, shallow netting. Flesh deep yellow, sweet, juicy, firm but not hard. Edible to the very rind.

WIDTH	DEPTH	DATE TO Maturity
8"	7½"	94
4"	6"	95
6"	5"	82
5"	5½"	83
7"	7½"	113
5"	5½"	85
5"	5½"	90
6½"	7"	87
6½"	7"	94
4¾"	6"	90
5"	5"	90
6½"	7"	89

Milwaukee Market



Hale's Best #36

Extra Early Hackensack

Early Kansas

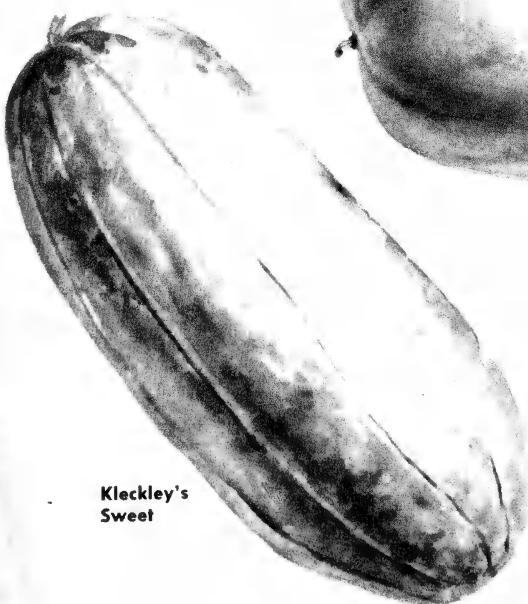


Klondike

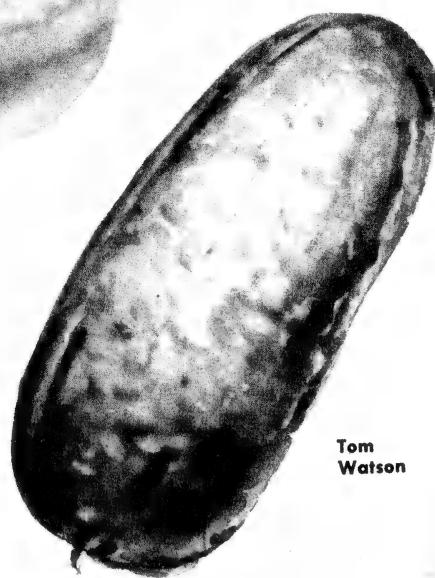
Dixie Queen



Stone Mountain



Kleckley's Sweet



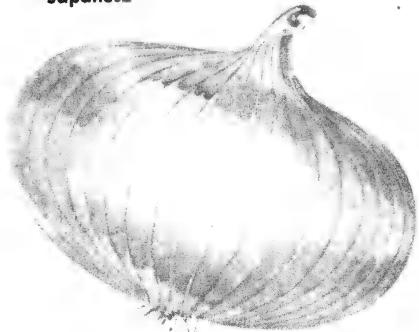
Tom Watson

WATERMELONS

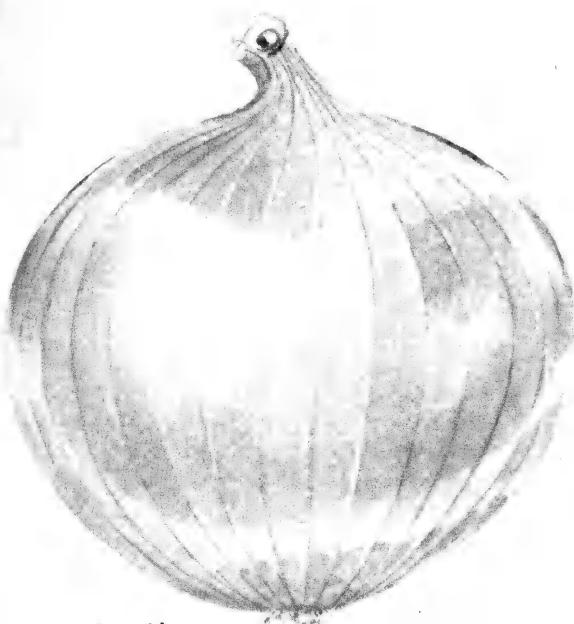
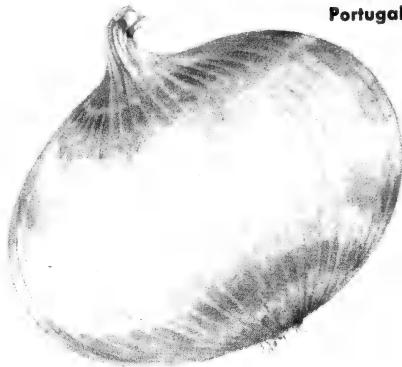
WATERMELON

	SIZE	WEIGHT	DAYS TO MATURE
COLE'S EARLY (HARRIS EARLY) — Best of the extra early varieties. Slightly oval with irregular mottled stripes. Flesh bright red, sweet, and tender. Hardy and productive.	10 $\frac{1}{2}$ x 8 $\frac{3}{4}$	20#	80
DIXIE QUEEN — Fruit round or blunt oblong, grey with dark green stripes. Firm, sweet, juicy, with very small white seeds. Good shipper.	15 x 12 $\frac{1}{2}$	32#	85
GOLDEN HONEY — Yellow fleshed. Oblong shape, average weight 20 pounds, dark green rind with irregular stripes of darker green.	12 x 11	20#	90
EARLY KANSAS (RED RUSSIAN) — Fruit large, nearly round, bright green with broad, wavy stripes lighter green. Flesh red, thick, excellent flavor. Rind thin and tough. Heavy yielder.	15 x 13	40#	82
HALBERT HONEY — Fruit long, slightly tapered, dark green with lighter green veins. Bright red, fine grained, sweet flesh. Excellent garden type.	20 x 12	32#	85
IRISH GREY — Long oval, blunt at ends, greyish green color. Flesh bright red, sweet, firm, well flavored, few seeds.	22 x 11	35#	90
KING AND QUEEN (WINTER) — Skin light cream, with faint stripes of light green. Remains edible for several months when properly stored. Excellent quality.	9 $\frac{1}{2}$ x 9	14#	85
KLECKLEY'S SWEET (MONTE CRISTO) — Large fruits, oblong, tapering towards stem end, dark green. Flesh very bright red, exceedingly sweet, crisp, and tender. Unsurpassed for home use or near markets.	24 x 12	40#	86
IMPROVED BLACK SEEDED KLONDIKE — Dark green rind, bright red flesh, small black seeds. Excellent variety.	14 x 10	25#	83
STRIPED KLONDIKE — Deepest red watermelon. Sweet, stringless, melting. Rind light green with dark green stripe, thin, hard, tough. Good shipper.	15 x 10 $\frac{1}{2}$	25#	90
PHINNEY'S EARLY — Long, with blunt end. Mottled shades of green. Flesh pink. Loose seed web with many seeds. Rind thin and brittle. Garden variety.	16 x 8	20#	85
STONE MOUNTAIN — Very large, medium green, round. Flesh highly colored, solid, few seeds. Can be shipped to near markets, but not long distance. Popular in south where it attains great size.	17 x 14	50#	88
SWEETHEART — Large, heavy, productive. Oval, mottled light green. Flesh bright red, solid, tender, sweet.	13 x 11	22#	89
TOM WATSON — Large, similar in type to Kleckley's Sweets, but larger and better adapted to shipping. Outstanding shipper's melon.	22 x 12	35#	91

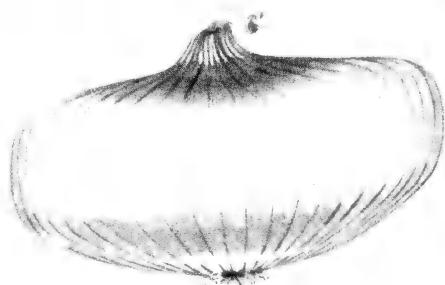
Japanese



**White
Portugal**



**Riverside
Sweet Spanish**



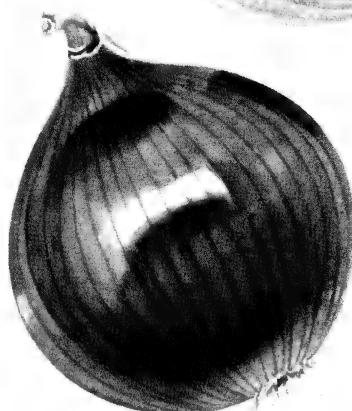
**Crystal
White Wax**



**Southport
White Globe**



**Southport
Yellow Globe**



**Southport
Red Globe**

MUSTARD—OKRA—ONIONS

LENGTH OF POD
DAYS TO MATURITY

MUSTARD

CHINESE BROAD LEAF	Plant medium large, vigorous. Leaves broad, large, oblong, slightly crumpled and scalloped at edges.	35
FLORIDA BROAD LEAF	Very large leaf, broad, smooth saw-toothed edge, broad white mid-rib, bright green. Quick growing, spreading. Holds well in hot weather.	40
SOUTHERN GIANT CURLED	Leaf wrinkled, blistered, curled. Yellowish-green, prolific. Mainly used in South for winter greens.	35
LARGE SMOOTH LEAF (BLOOMSDALE)	Large, smooth, green leaves. Quick growing. Upright when young, spreading with age. More easily prepared for table than rough leaf types. Good variety.	35
MUSTARD-SPINACH (TENDERGREEN)	Rapid, vigorous growth. Narrow, spoon-shaped, dark green leaves. Stands longer than most kinds without seeding. Combines mustard and spinach flavor.	30

OKRA

DWARF GREEN	An early dwarf, with dark green, fluted, pointed pods. Prolific.	5"-7"	60
LONG GREEN	Like the dwarf strain, except that the plants are four to five feet tall.	5"-7"	64
PERKINS' MAMMOTH LONG POD	Stalks tall, treelike. Pods pointed, ribbed, slightly curved, tapered and dark green. Very productive and fairly early. Main canning variety.	6"-7"	65
WHITE VELVET	Stalks tall, slender, treelike. Pods slim, pointed, somewhat ribbed, cream color. Productive and early. Good garden type.	6"-7"	68

ONION

JAPANESE (EBENEZER)	Used mostly for growing sets. Keeps extremely well; does not run to seed readily. Bulbs flat, deep yellow, firm, thick skinned.	2"-3"	110
PRIZETAKER	Productive, large. Good for fall marketing. Bulb globe shape, light yellow skin with mild, white flesh. Plant in beds and transplant for best results.	3 1/2"	104
RIVERSIDE SWEET SPANISH	Large, well shaped, weighs from one to three pounds. Unusually mild. Keeps well. To grow large bulbs thin plants to 6 or 8 inch spacing.	4"	105

	DIA METER	DA YS TO MA TURITY
YELLOW GLOBE DANVERS — Bulbs medium large, globe shaped, yellow skin with white flesh, firm and hard. A good keeper.	2 $\frac{3}{4}$ "	116
SOUTHPORT YELLOW GLOBE — Large, perfectly shaped globe. Keeps exceptionally well through the winter. Very productive, dark yellow, handsome appearance.	3"	116
SOUTHPORT RED GLOBE — Perfect globe shape. Deep red skin, with red flesh, tinted white. Skin tough, thin, close fitting. Flesh strongly flavored. Good keeper.	3"	115
SOUTHPORT WHITE GLOBE — Bulbs round and of good size. Solid, pure white, skin thin and brittle. Good for winter storage. Also used for early bunching.	3"	112
LARGE RED WETHERSFIELD — Flat, deep red; flesh pinkish-white and very firm. Used extensively for growing sets.	2 $\frac{1}{2}$ "	104
WHITE PORTUGAL (SILVERSkin) — Medium thick, flat shape when mature. White skin and flesh, sometimes green tinted, mild flavor; skin tight and tough. Used mainly for onion sets and small pickling onions.	3"	100
CRYSTAL WHITE WAX — Popular in the south. Large, silvery, white skinned variety of handsome, flat shape and very fine quality and flavor.	3 $\frac{1}{2}$ "	90
YELLOW BERMUDA — A pale or straw colored onion grown extensively in the Bermudas and southern part of the United States for early shipping to northern markets.	3 $\frac{1}{2}$ "	90
PARSLEY		ROOT DEPTH
CHAMPION MOSS CURLED — Dark green, finely cut and so closely curled as to resemble bunches of moss. One of the most useful and decorative sorts.		71
DOUBLE CURLED — Standard sort for outdoor culture.		71
HAMBURG (ROOTED) — Grown mostly for the thick, fleshy roots. Roots nearly white, thick at neck and tapering to the base. Flesh is white and somewhat dry. Used for flavoring soups.	6"	90
PLAIN (SINGLE) — Leaves flat, deeply cut but not curled. Often preferred on account of the very dark green color as well as its hardiness and superior flavor.		72

PARSNIP

IMPROVED HOLLOW CROWN—Roots white, smooth, tender, sugary and of excellent flavor. Very hardy and will keep through winter without protection.

GUERNSEY IMPROVED—Roots white, very tender, with a smooth, clean skin. Leaves grow from a depression on the top of the root.

PEAS — SMOOTH SEED

ALASKA—WILT RESISTANT—Very early. Vine strong and vigorous, of a peculiar light green color. Pods straight and blunt at the end, light in color. Extensively used by canners. All Michael-Leonard Alaska seed is wilt resistant.

FIRST AND BEST (EXTRA EARLY)—Early, productive, and hardy. Vine strong, uniform, light colored. Pods straight, round, light colored, and blunt. Seed is small and white.

LAXTON'S SUPERB (EARLY BIRD)—Hardy. Dark green pods, semi-broad, pointed. Desirable as a gardener's first crop pea, standing very early planting. Seed dark green, dimpled.

DWARF GREY SUGAR—Edible pod variety—not used for shelled peas. Early. Pods broad, flat, and crooked. Seed is brown and smooth.

PEAS — WRINKLED SEED

ALDERMAN (DARK PODDED TELEPHONE)—Large podded pea of Telephone type. Vine vigorous, foliage medium green. Pods broad, pointed, dark green. Seed large, green.

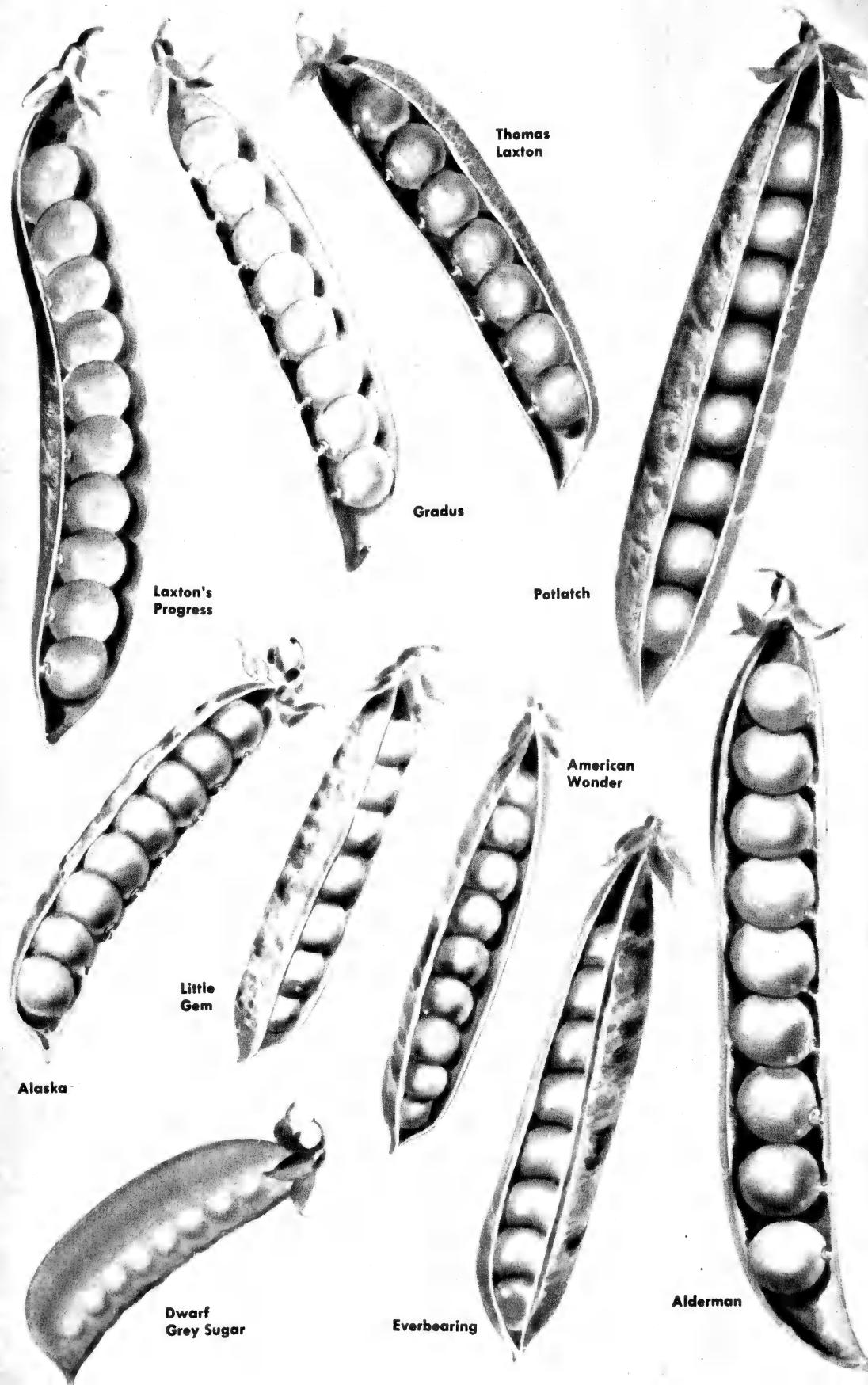
AMERICAN WONDER—Vigorous vines with luxuriant foliage. Good for private garden use on account of its dwarf habit. Pods light colored, straight, round, and blunt. Seed medium sized and square at the ends.

CHAMPION OF ENGLAND—Strong and vigorous in growth, foliage medium green. Pods blunt, medium dark green. Seed large, green, very much wrinkled.

EVERBEARING—Vigorous and branching. Pods broad, light colored, and blunt. Large green seed.

MCLEAN'S LITTLE GEM—Strong and vigorous, dark foliage. Pods almost straight, light colored, and blunt. Seed green, wrinkled, medium sized.

	LENGTH OF POD	LENGTH OF ROOT	DAYS TO Maturity
IMPROVED HOLLOW CROWN	12"-16"	98	
GUERNSEY IMPROVED	12"-14"	98	
PEAS — SMOOTH SEED	LENGTH OF VINE		
ALASKA —WILT RESISTANT	2½"	2'-2½'	52
FIRST AND BEST (EXTRA EARLY)	2¾"	2½'-3'	54
LAXTON'S SUPERB (EARLY BIRD)	4"	20"	60
DWARF GREY SUGAR	3"	30"	66
PEAS — WRINKLED SEED			
ALDERMAN (DARK PODDED TELEPHONE)	5"	48"	70
AMERICAN WONDER	2½"	14"	57
CHAMPION OF ENGLAND	3"	60"	76
EVERBEARING	3"	36"	76
MCLEAN'S LITTLE GEM	2¾"	24"	62



Thomas
Laxton

Gradus

Laxton's
Progress

Potlatch

American
Wonder

Little
Gem

Alaska

Dwarf
Grey Sugar

Everbearing

Alderman

PEAS

	LENGTH OF POD	LENGTH OF VINE	DAYS TO MATURITY
GRADUS (PROSPERITY) — Early, large podded variety, popular with market gardeners. Vine and foliage moderately heavy and medium green. Pods medium green, semi-round, straight and pointed. Very sweet, medium green peas. Productive, high quality.	3 $\frac{3}{4}$ "	36"	62
LAXTON'S PROGRESS — Dark green peas, sweet and luscious. Dwarf vines, heavy crops of large, deep bluish-green pods. Pods are quite long and contain 8 to 10 peas.	4 $\frac{1}{2}$ "	18"	58
LAXTONIAN (BLUE BANTAM) — Vine vigorous and productive, foliage dark green. Pods dark green, straight, and pointed. Seed light green, large, wrinkled, flattened and irregular in shape.	4"	18"	58
LITTLE MARVEL — Extra fine dwarf sweet pea. Pods larger than Nott's Excelsior. Good variety for either private or market garden. Foliage and pods very dark green. Pods nearly round, square ended, very dark green peas. Productive, and high quality.	3"	18"	60
NOTT'S EXCELSIOR — Resemble Little Gem in growth, but more dwarf and uniform. Pods light colored, round, blunt. Seed medium sized and square at ends.	2 $\frac{1}{2}$ "	16"	50
POTLATCH — Strong, vigorous vines with luxuriant, dark green foliage. Pods medium green, broad, pointed. Seed large.	4 $\frac{1}{2}$ "	24"	70
STRATAGEM — Vigorous, hardy, high quality. Heavy cropper although it has a tendency to sport. Foliage dark green. Pods straight, broad, pointed, dark green. Seed very large.	4 $\frac{1}{2}$ "	22"	72
SUTTON'S EXCELSIOR — Similar in growth to Nott's Excelsior, but bears very large, broad pods with large peas. Very tender and flavorful. Pods are light in color and blunt.	4"	20"	62
DWARF TELEPHONE (DAISY) — Vines medium green with coarse foliage. Pods broad, straight, pale green. Peas fill the pods well, and are of excellent flavor.	4"	22"	70
THOMAS LAXTON — Very popular variety. Vine and foliage moderately stout, medium green. Pods medium green, straight, nearly round, square ended. Superior quality.	3 $\frac{1}{2}$ "	34"	60
WORLD'S RECORD — Improved type of Gradus, slightly earlier, more dwarf, true to type, and productive. Vines moderately strong, medium green. Pods medium green, very broad, pointed, and well filled. Peas dark green and exceptional quality. Seed large, cream and green color.	4"	28"	60

PEPPERS—PUMPKINS

PEPPER

BANANA (LONG HOT YELLOW) — Plant upright, bushy growth. Fruits long, slim, ranging from deep yellow to bright orange, then to bright red upon ripening. Tapered to a point. Very prolific, early, hot in flavor.

BELL (BULL NOSE) SWEET — Plant upright, strong growing, bushy. Fruits squared, four lobed, inverted bell shape. Flesh thick, mild in flavor. Good for salads and stuffing.

CALIFORNIA WONDER — Plant strong, upright. Fruits large, squared, four lobed, very thick walled, sweet, and mild. From a deep green to a bright red in color. Excellent stuffing type.

LONG SLIM CAYENNE — Long, slim, pointed pod, bright red in color when ripe. Extremely strong and pungent.

CHINESE GIANT — Plant strong, bushy growth. Fruit large, squared, four lobed, deep green to a bright red color. Productive, good side wall thickness. Sweet and mild.

PIMENTO — Plant medium dark, upright, very bushy. Fruits heart shaped, smooth, without lobes, deep green to brightest red. Very sweet and mild. Heavy producer. Excellent canning variety.

RUBY KING — Plants vigorous, compact, productive. Fruits long and of deep green color when young, bright red when ripe. Flesh thick and mild. Good variety for mangoes or stuffed peppers.

WORLD BEATER — Fruits four lobed, flesh very thick and mild. Productive and a good shipper.

PUMPKIN

CONNECTICUT FIELD — Standard cornfield variety. Large, orange colored, averaging 25 pounds. Round, flat on ends, with smooth, hard rind. Flesh is thick, dry, and sweet.

GREEN STRIPED CUSHAW AND WHITE CUSHAW — Fruits very large with crooked neck. Striped variety is creamy white with green stripes. White variety has no markings, and is slightly smaller. Flesh light yellow, very thick, coarse, sweet.

LARGE CHEESE (KENTUCKY FIELD) — Used largely for canning and stock feeding. Fruits flat, dull orange; flesh yellow.

SMALL SUGAR (PIE) — Small but handsome. Round, deep orange, fine grained, sweet. Superior for pies.

TENNESSEE SWEET POTATO — Bell shaped; white, slightly mottled with light green. Flesh creamy white, thick, fine grained, sweet.

LENGTH	WIDTH	DAYS TO MATURITY
7"	1 1/2"	70
4"	3"	60
5"	4"	76
5"	1/2"	70
5"	4"	80
2 1/2"	2"	75
4 1/2"	3 1/2"	70
5"	3 1/2"	73
		120
		115 and 112
		120
		115
		110

RADISHES

RADISH

CRIMSON GIANT — Largest round red. Tops small, upright. Roots go up to $1\frac{1}{2}$ inches without pith. Globe shape, deep red, thick skin. Flesh white, tender, crisp.

EARLY SCARLET GLOBE — Rich scarlet, globe shape. Finest for forcing, does not become pithy or lose flavor. Best type for gardeners who want early market.

EARLY SCARLET TURNIP — Early. Tops medium, roots small, turnip shape, almost round, scarlet, crisp, tender.

FRENCH BREAKFAST — Old favorite. Tops medium small. Roots thicker towards bottom, scarlet with white tip. Flesh white, crisp, excellent quality.

LONG SCARLET SHORT TOP — Bright scarlet, small topped, uniformly straight, smooth, brittle, and crisp. Standard variety of great usefulness.

SAXA — Principally forcing variety. Tops very small, roots small, spherical, bright scarlet. Flesh white, crisp, mild.

SPARKLER WHITE TIPPED — Similar to Scarlet Turnip White Tipped in size and maturity. Root is rounder and white extends farther up.

WHITE ICICLE — Finest early white variety. Popular with home gardeners. Tops medium, roots long, tapering, pure white, very crisp and mild.

WHITE STRASBURG — Large, showy, thick at shoulder, tapering to a point. Flesh white, firm, mildly pungent.

WHITE STUTTGART — Tops medium large. Roots top shaped, white, and mildly pungent. Excellent for late summer. Can be used for winter storage.

WHITE TIPPED SCARLET TURNIP — Excellent turnip radish — a favorite for early outdoor planting. Roots slightly flattened on the under side. Deep scarlet with a white tip. Flesh white, best quality.

WINTER VARIETIES

CALIFORNIA MAMMOTH WHITE — Large, heavy tops. Roots large, stump rooted, thickest at bottom, small tap root. White skin, white flesh. Crisp and hard, but rather coarse and strongly flavored.

LONG BLACK SPANISH — Tops large and heavy. Roots large and tapering. Skin black, flesh white. Very firm and pungent.

ROUND BLACK SPANISH — Roots round or top shaped. Skin black, flesh white, firm, crisp, and highly flavored. Good keeper.

ROSE CHINA WINTER — Roots cylindrical, or larger at bottom, tapering abruptly to a small tip. Skin very smooth and bright rose. Flesh firm, crisp, tender, pungent.

DIAMETER	LENGTH	DAYS TO MARKET ABLE TO MARKET ROOTS
$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	30
1"	$1\frac{1}{4}$ "	24
1"	$1\frac{1}{8}$ "	26
$\frac{3}{4}$ "	$1\frac{1}{2}$ "	25
$\frac{3}{4}$ "	6"	27
$\frac{7}{8}$ "	$\frac{7}{8}$ "	22
$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	26
$\frac{3}{4}$ "	6"	27
$1\frac{1}{2}$ "	6"	39
4"	$3\frac{1}{2}$ "	41
$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	25
3"	10"	61
2"	8"	62
4"	4"	60
$1\frac{3}{4}$ "	8"	53

White
Icicle

Long
Scarlet
Short Top



Rose
China
Winter

Saxa



White Tipped
Scarlet Turnip

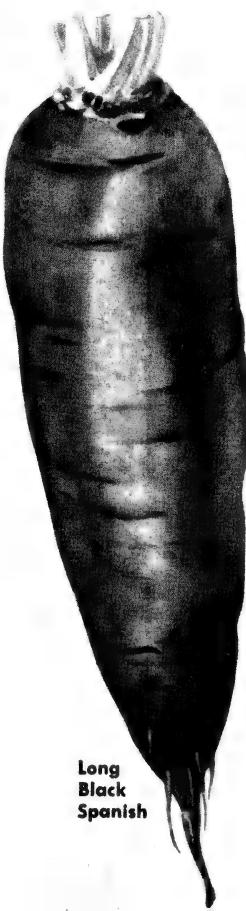


California
Mammoth
White

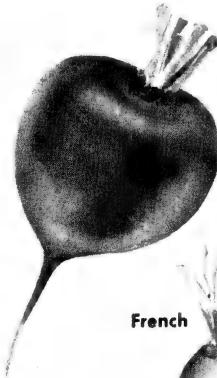
White Stuttgart



Early
Scarlet Globe



Long
Black
Spanish



Crimson
Giant



French
Breakfast

SALSIFY—SPINACH—SQUASH

SALSIFY

MAMMOTH SANDWICH ISLAND — Roots 7 to 8 inches long and 1 to 1½ inches thick. Skin almost white; flesh mild and delicately flavored.

SPINACH

GIANT NOBEL THICK LEAF — Plants large, vigorous, slow to run to seed. Very heavy yielder. Leaves medium green, thick, tender. Best thick leaved variety.

KING OF DENMARK — Best long season spinach, holding two weeks longer before bolting to seed. Plant vigorous and spreading, leaves large, rounded, crumpled, blistered, deep green.

NEW ZEALAND — Branching, juicy leaves, grows luxuriously in the summer heat. Plant three seeds per hill or start under glass and transplant.

SAVOY LEAVED BLOOMSDALE — Plant in autumn for early spring use. Upright, narrow leaved, curled like Savoy Cabbage. Grows quickly but runs to seed.

SAVOY BLOOMSDALE BLIGHT RESISTANT (VIRGINIA SAVOY) — Similar to other Savoys, but blight resistant. Goes to seed faster.

SAVOY BLOOMSDALE LONG STANDING — Similar to old type, but with thicker, more round and lighter colored leaf. Very slow to bolt to seed.

SQUASH

SUMMER CROOKNECK — Standard early variety. Fruits moderately warted, bright yellow.

EARLY WHITE BUSH, SCALLOPED — Most popular white summer squash. Fruits small, flat, scalloped edges. Prolific and disease resistant. Tender when young.

ITALIAN VEGETABLE MARROW — Bush type vine. Fruit long, thin. Skin smooth, dark green, marbled with yellow. Eaten very young.

ACORN (DES MOINES) (TABLE QUEEN) — A trailing variety producing acorn-shaped fruit with a thin, distinctly ribbed, dark green shell. Flesh light yellow. Bakes well.

BUTTERCUP — New variety of excellent quality. Shell colored green with gray markings. Flesh dry, thick, and of fine keeping quality.

DELICIOUS — Fruits broad top-shaped. Skin very dark green, fairly smooth, thin and hard. Flesh extremely thick, bright yellow, fine grained, dry, fiberless, high quality.

WARTY HUBBARD — Larger than regular Hubbard, of equal quality. More heavily warted. Shell is dark green, almost black.

	LENGTH	THICKNESS	DAYS TO MATURITY
GIANT NOBEL THICK LEAF	42		
KING OF DENMARK	44		
NEW ZEALAND	55		
SAVOY LEAVED BLOOMSDALE	39		
SAVOY BLOOMSDALE BLIGHT RESISTANT (VIRGINIA SAVOY)	39		
SAVOY BLOOMSDALE LONG STANDING	42		
SUMMER CROOKNECK	12"	3"	50
EARLY WHITE BUSH, SCALLOPED	6½"	2½"	55
ITALIAN VEGETABLE MARROW	20"	4"	60
ACORN (DES MOINES) (TABLE QUEEN)	6"	4½"	58
BUTTERCUP	6½"	4½"	100
DELICIOUS	8"	7½"	105
WARTY HUBBARD	15"	10"	100

TOMATOES

TOMATO

	DAY TO MATURITY
BEEFSTEAK (CRIMSON CUSHION)—Wilt resistant, late variety. Plant open in habit of growth, heavy, light green, vigorous. Fruits large, flat, scarlet, rather smooth.	90
BISON — Small, spreading, open growth with few leaves. Fruits medium small, flattened top globe. Bright red, thin, tender skin, thin side wall, large seed cells. Very juicy.	60
BONNY BEST — Vine strong, fruit deep scarlet, ripening to stem. Flesh firm. Productive. Desirable main crop variety.	75
EARLIANA — Popular early home garden variety. Fruits flattened, medium in size, deep scarlet red, firm, fairly smooth.	65
GOLDEN QUEEN — Fruits large and smooth. Golden yellow color, sometimes with a slight blush of red. Well shaped, superior flavor.	82
GULF STATE MARKET — Best of the early purple fruited varieties. Large, smooth, globe shaped, solid, free from cracking. Productive.	81
JOHN BAER — Vines vigorous and productive. Fruit deep scarlet-red. Early maturity. Similar to Chalk's Early Jewel.	73
MARGLOBE — Resistant to nailhead rust and fusarium wilt. Large, perfect globe-shaped fruits. Scarlet. Spreading growth, great productivity.	80
NEW STONE — Vines vigorous and productive. Fruits large, smooth, solid, deep red, very heavy. Favorite canner's variety.	84
OX HEART — One of the largest of all tomatoes. Purple fruits often weigh 1½ pounds. Distinct "Ox-heart" shape. Very solid with few seed cells.	90
PONDEROSA — Purplish-pink tomato of largest size. Vigorous and productive. Fruit solid, fairly smooth, good quality.	87
PRITCHARD (SCARLET TOPPER)—Wilt resistant. Fruits large, smooth, globular, solid, thick walls and cross sections. Deep scarlet. Splendid home and market garden variety. Good shipper.	76
RUTGERS — Recent development introduced by New Jersey Agricultural Experiment Station. Fruits medium to large, similar in shape to Marglobe, but slightly more flattened. Highly recommended for canning and tomato juice.	72

RUTABAGAS—TURNIPS

RUTABAGA

IMPROVED AMERICAN PURPLE TOP — Tops large, upright. Roots yellow with purple top. Flesh pale yellow, fine grained, sweet and tender.

SWEET GERMAN — Roots white with green tinted top, globe-shaped. Flesh pure white, fine grained, sweet. Good for table use or for stock feed.

TURNIP

COW HORN (LONG WHITE) — Pure white except for shade of green at the top. Carrot-like in form, growing nearly half out of the ground. Slightly crooked.

EXTRA EARLY PURPLE MILAN — Tops medium, upright, strap leaved. Roots white with purple top, very flat. Flesh sweet and crisp. Recommended for early spring planting.

EXTRA EARLY WHITE MILAN — Tops small and upright. Roots pure white, very flat. Flesh sweet and crisp. Used for forcing or early spring planting. Very early.

POMERANEAN (LARGE WHITE GLOBE) — One of the most productive kinds, often growing to 10 pounds weight. Perfect globe shape. Skin white and smooth. Leaves large and dark green.

PURPLE TOP STRAP LEAF — Tops medium large, upright, strap leaved. Roots flat, white, with purple top. Flesh white, fine grained and sweet. Early variety.

PURPLE TOP WHITE GLOBE — Early, perfectly globe shaped. Good size and attractive appearance. Roots large, white with purple top. Flesh is white, fine grained and tender. Best for table when about 3 inches around, but can be grown much larger for stock feeding. Best variety for market gardeners.

SEVEN TOP FOR TURNIP GREENS — Extremely hardy foliage turnip for table and forage use. Root woody and inedible. Crown sends up numerous leafy shoots which are excellent for greens and for stock grazing.

SHOGOIN (JAPANESE FOLIAGE) — Popular in the south. Quick growing. Bright green, strap leaves. Roots globular, smooth, white, excellent quality. Louse proof.

WHITE FLAT DUTCH, STRAP LEAF — Tops small, light green, strap leaved. Roots white, flat, fine grained, sweet. Good for early planting.

YELLOW ABERDEEN, PURPLE TOP — Hardy, productive, and a good keeper. Pale yellow with purple top. Firm, keeps very well.

YELLOW GLOBE — Tops large, upright. Roots globe-shaped, pale yellow. Flesh firm, pale yellow.

	LENGTH OF ROOT	DAYS TO MATURITY
6"	90	
5"	90	
12"	68	
3"	40	
3"	40	
4"	75	
4"	45	
3"	60	
—	38	
—	35	
4"	42	
—	75	
5"	75	

